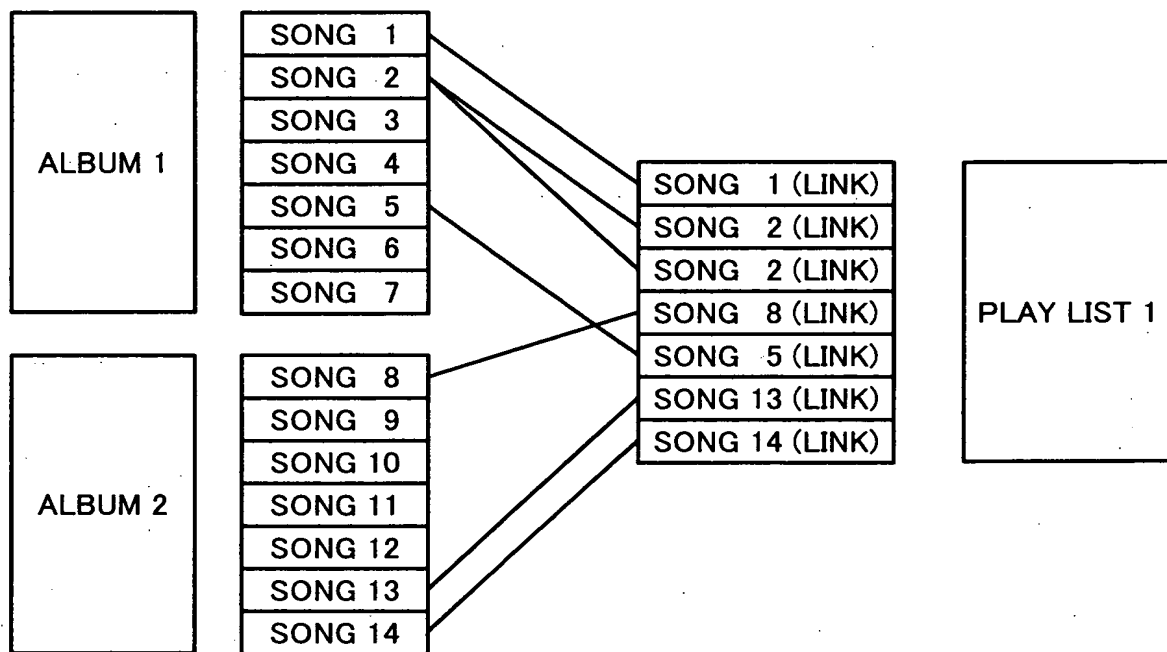


Fig. 1



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Fig. 2

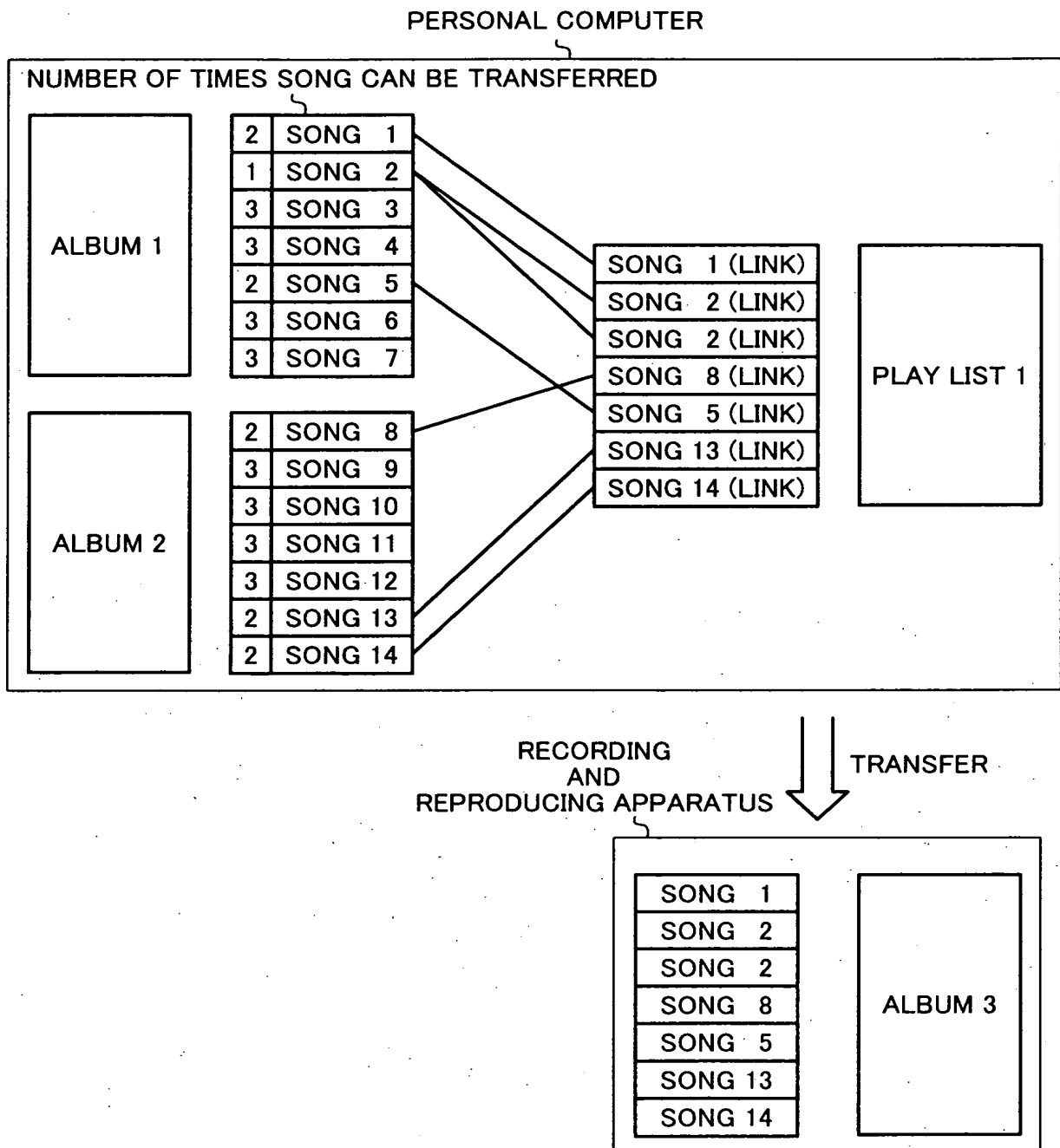


Fig. 3

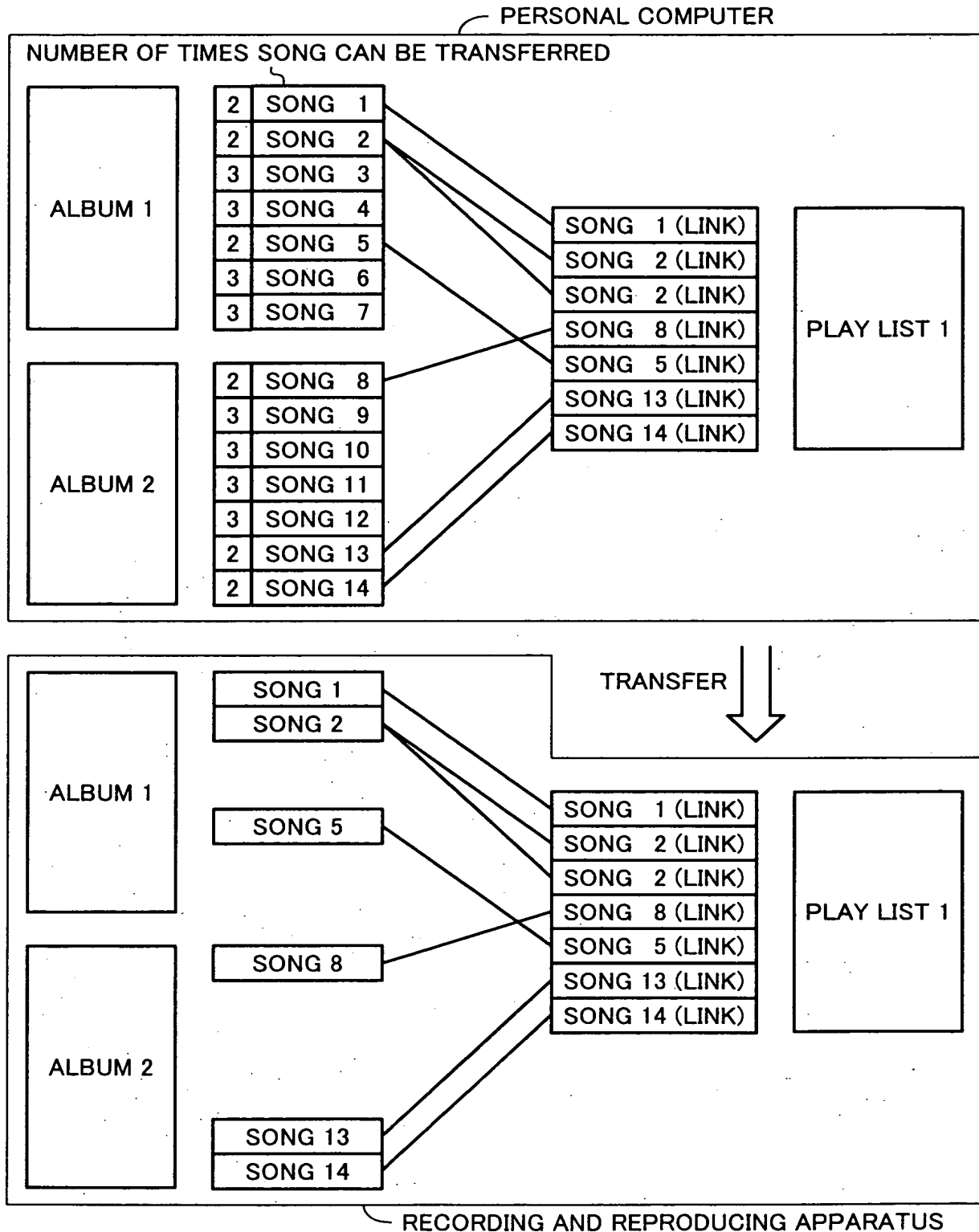


Fig. 4

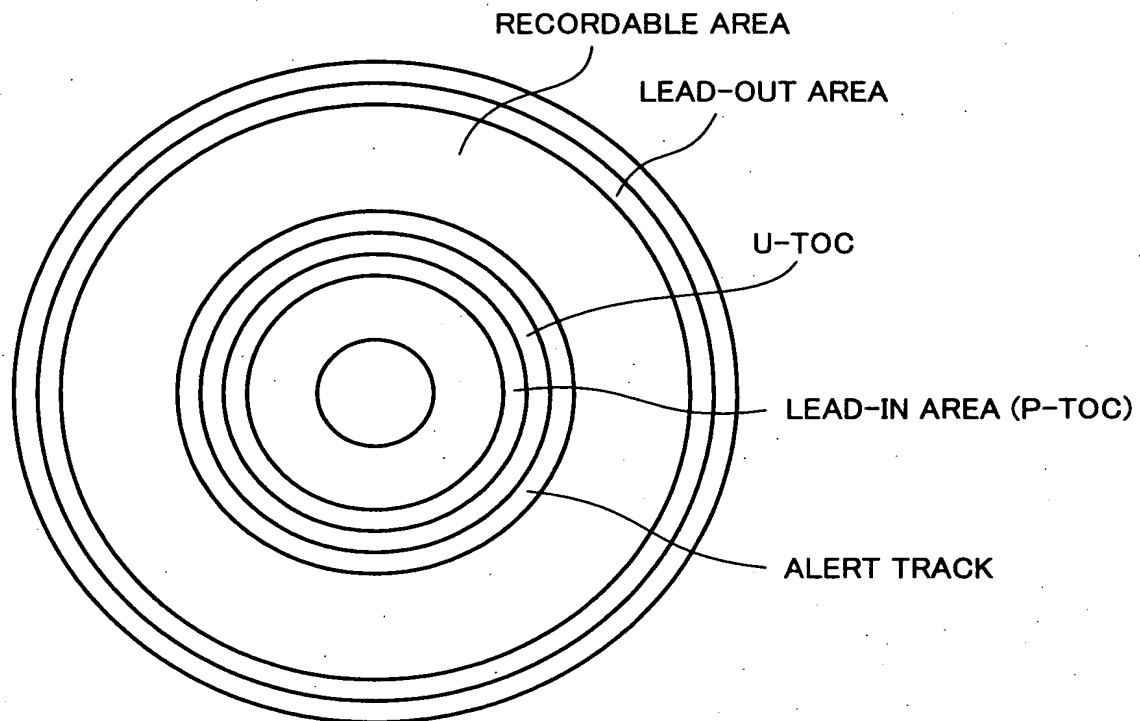


Fig. 5

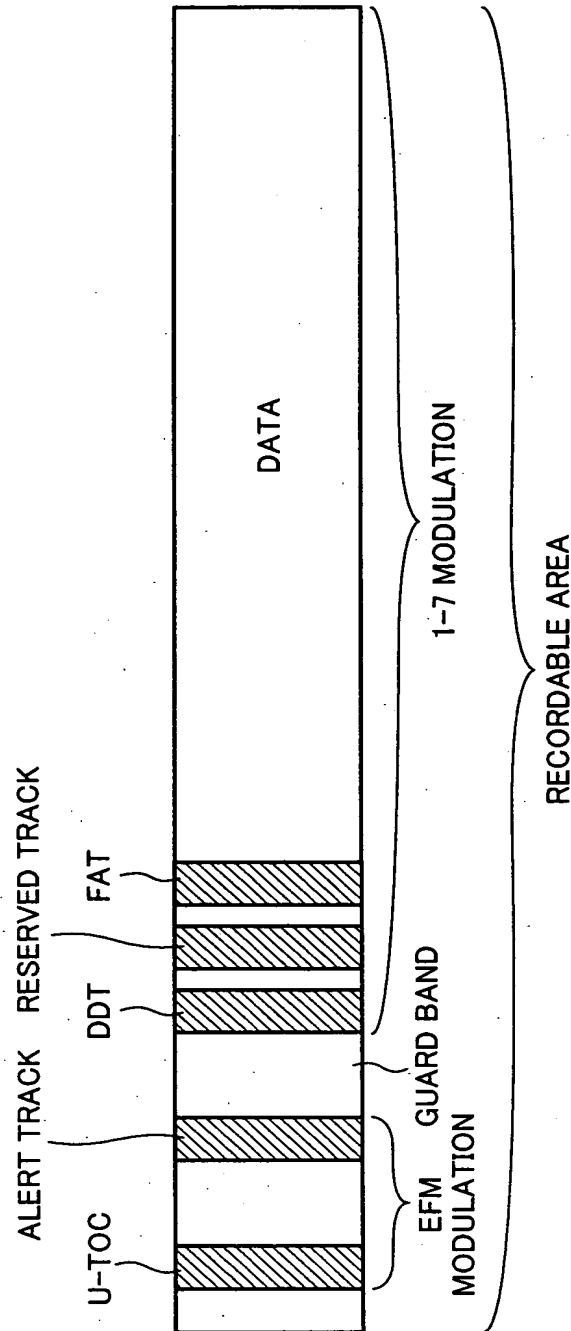


Fig. 6A

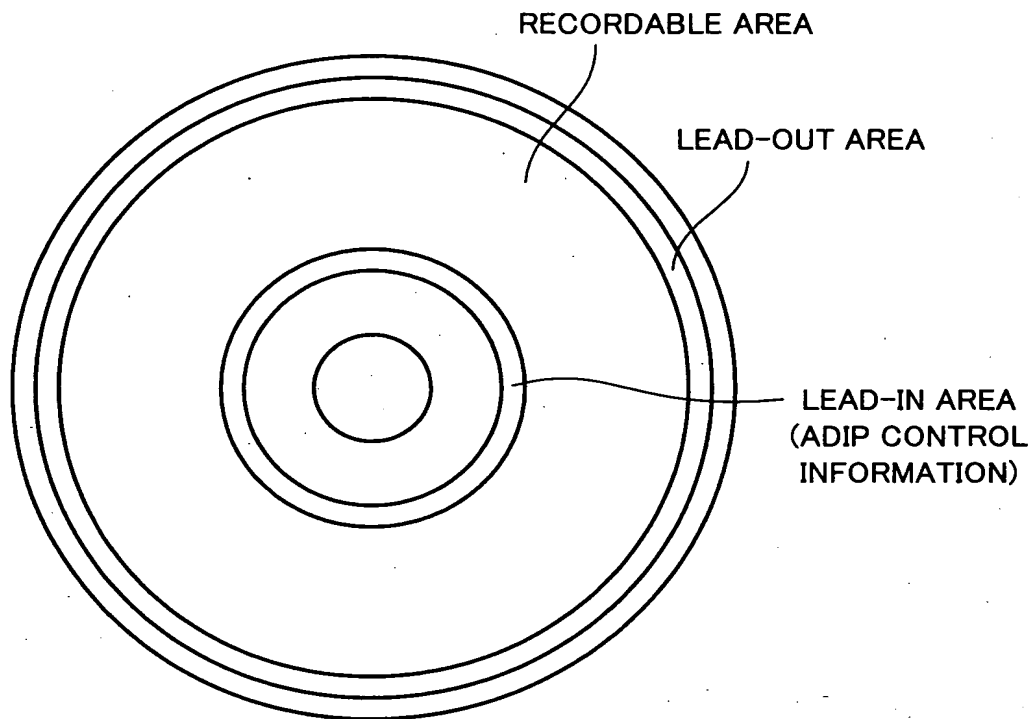


Fig. 6B

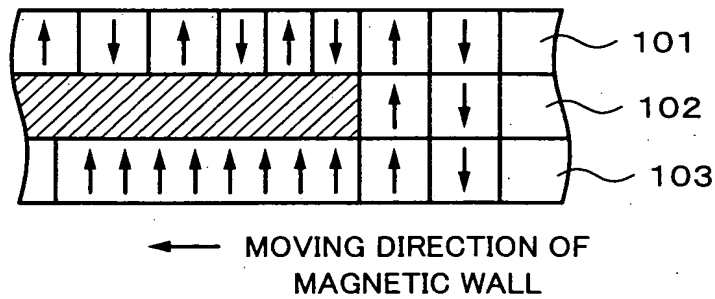


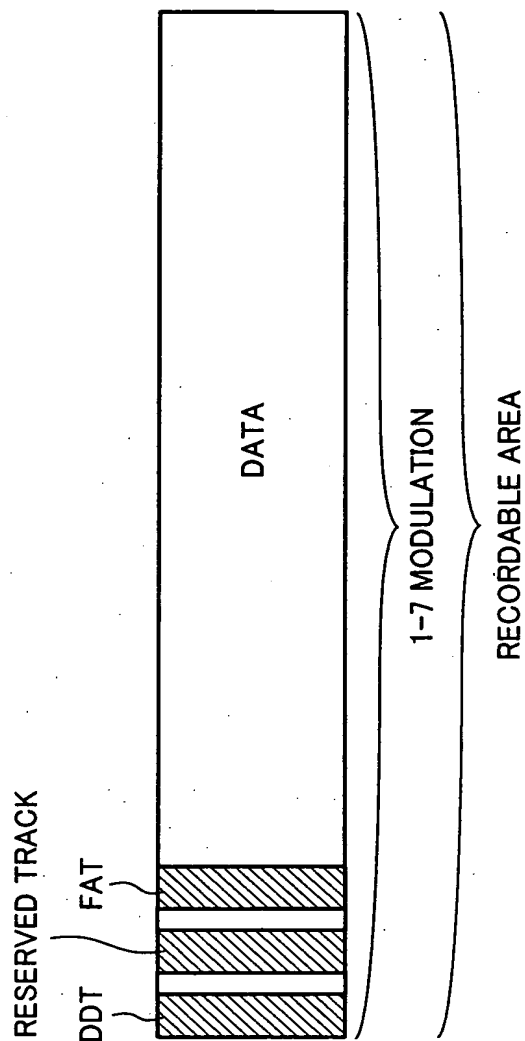
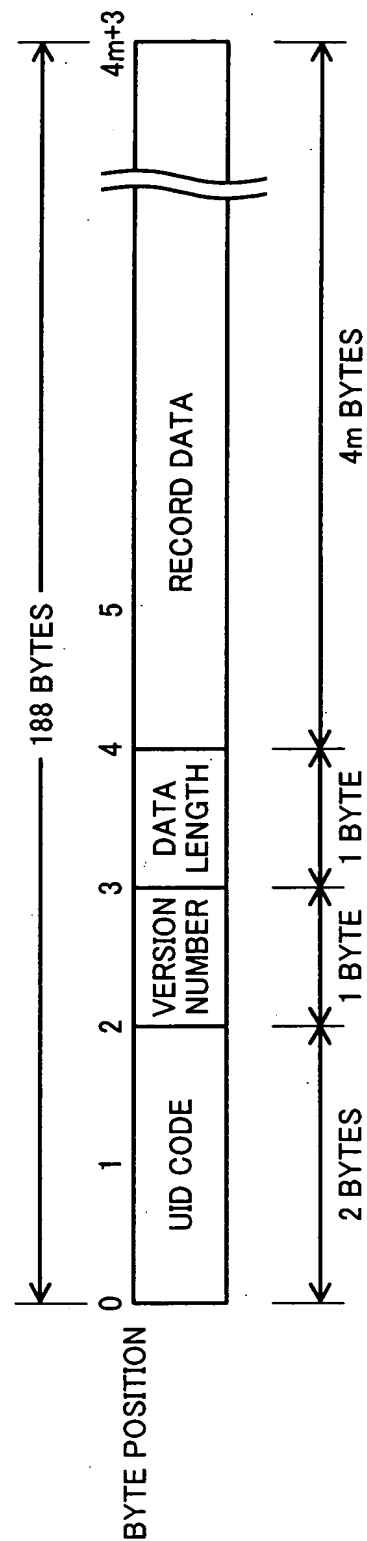
Fig. 7**Fig. 8**

Fig. 9

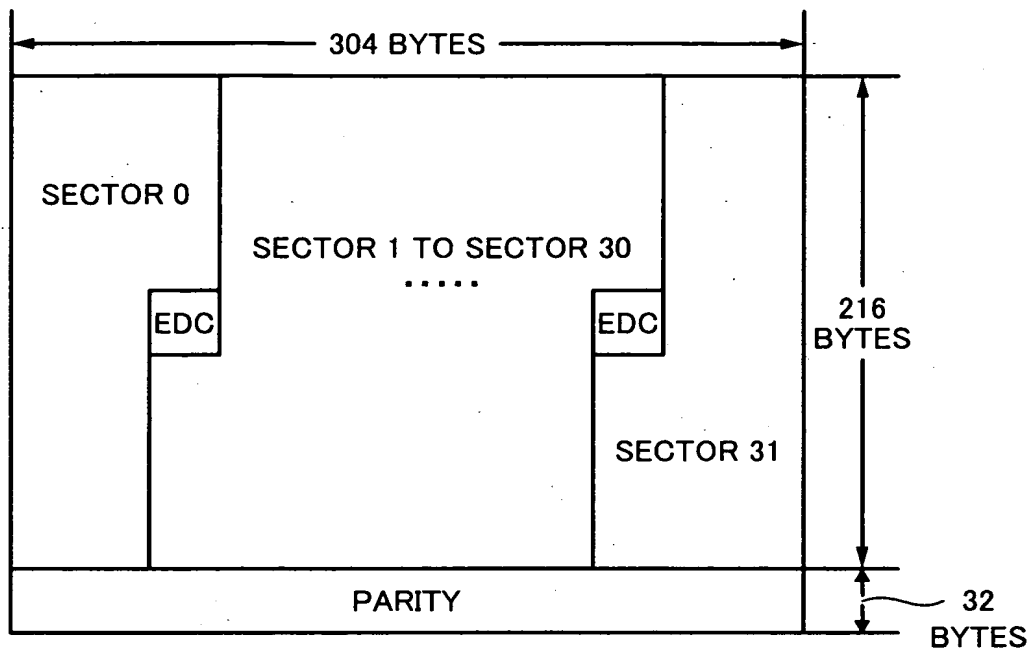


Fig. 10

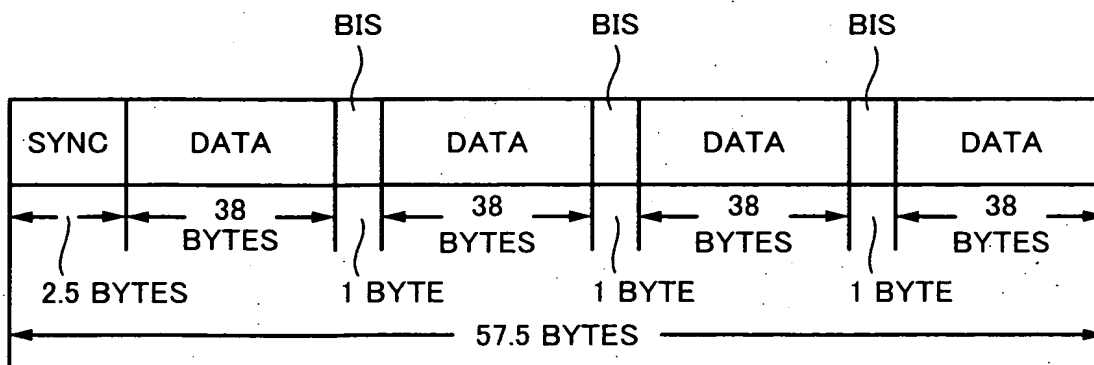


Fig. 12

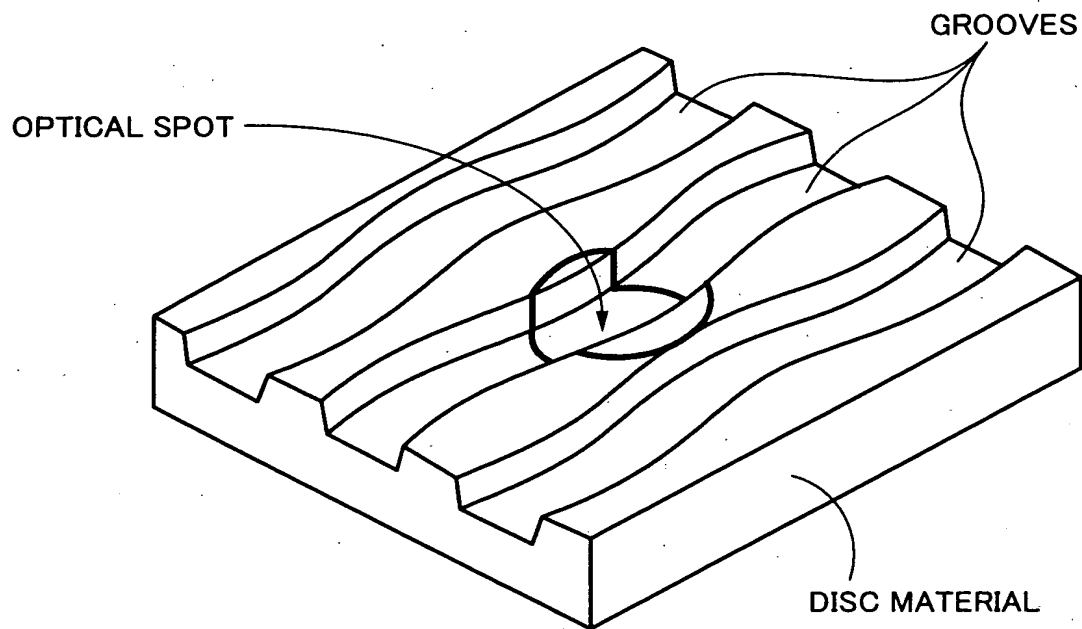


Fig. 13

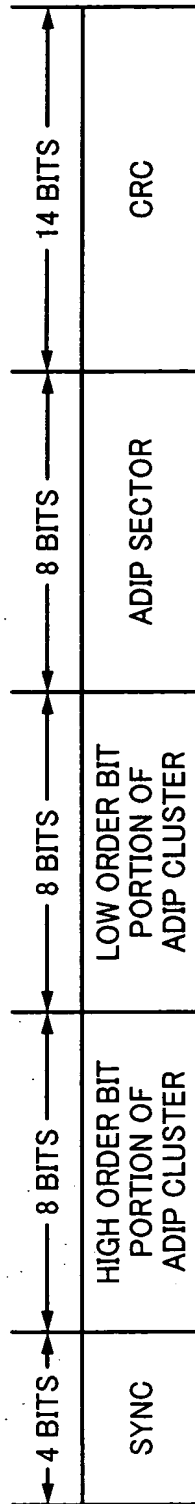


Fig. 14

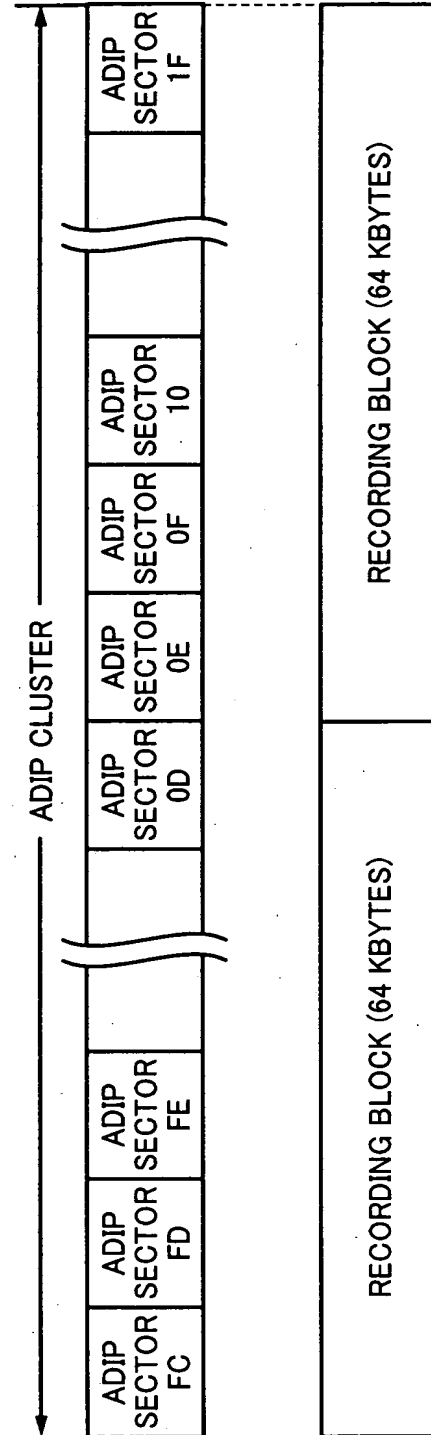


Fig. 15

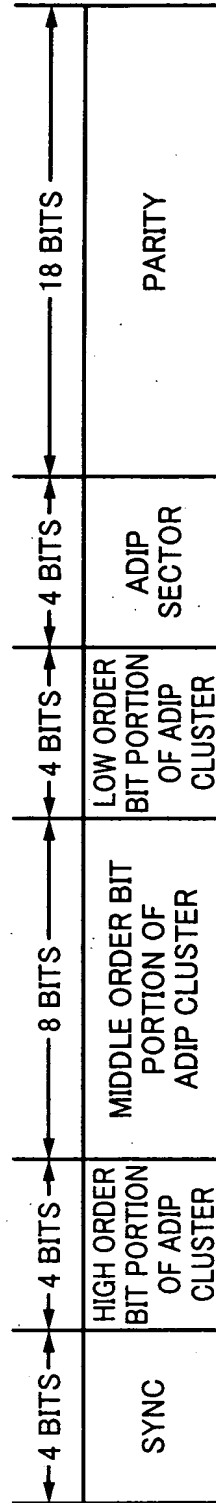


Fig. 16

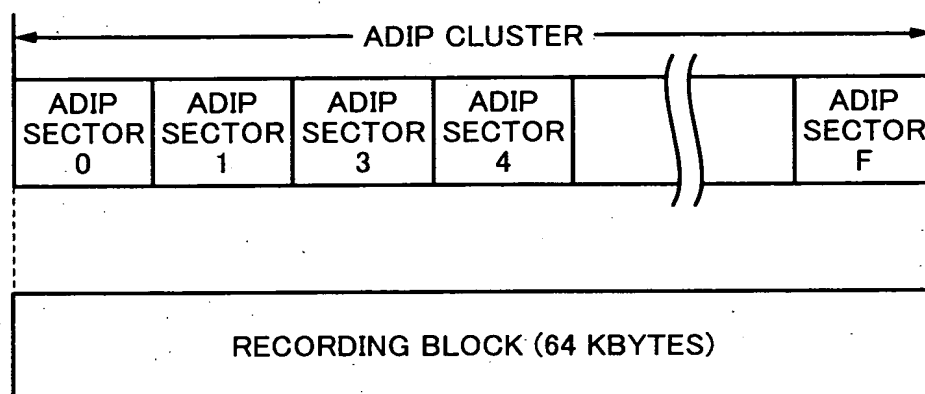


Fig. 17

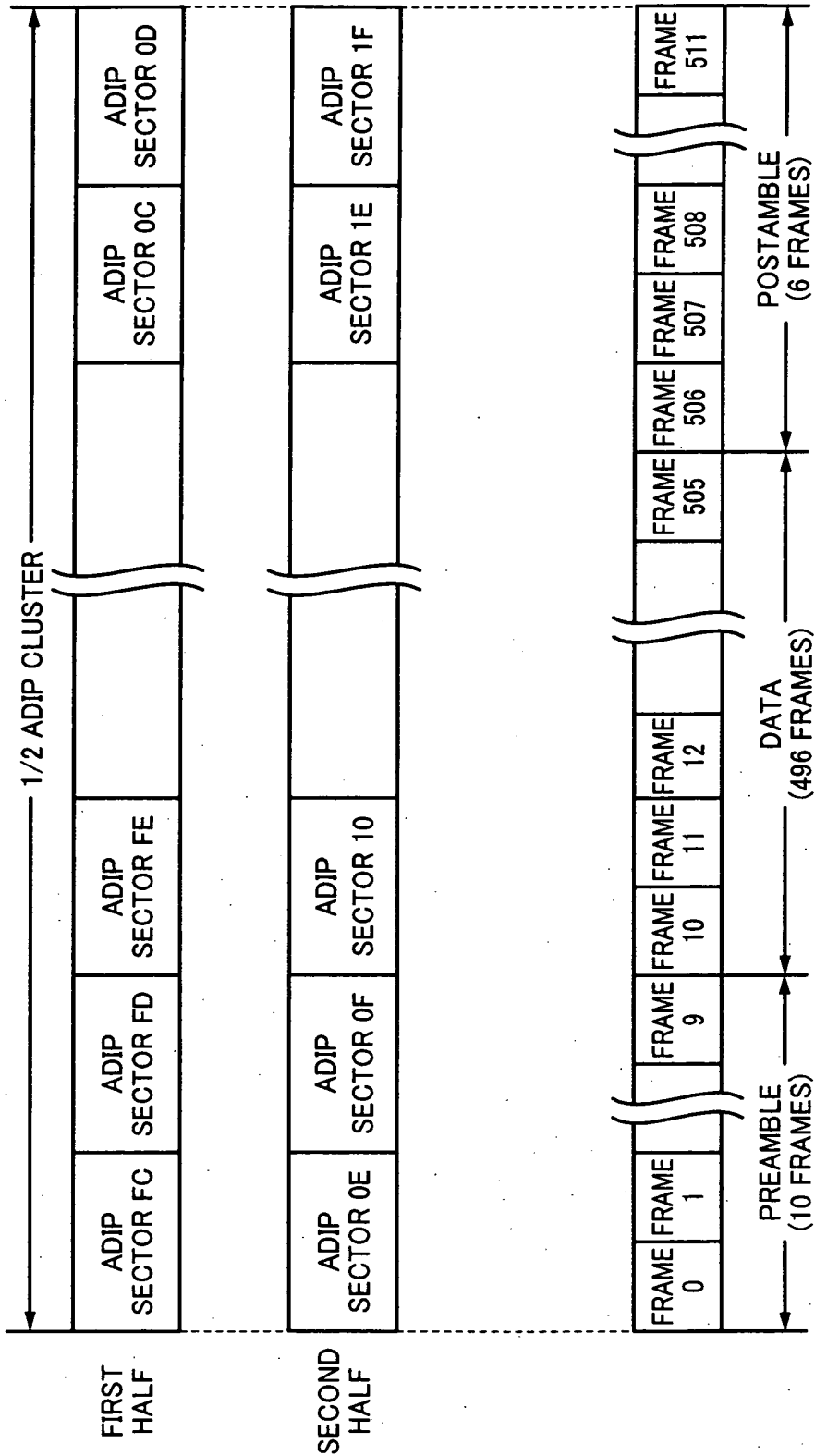
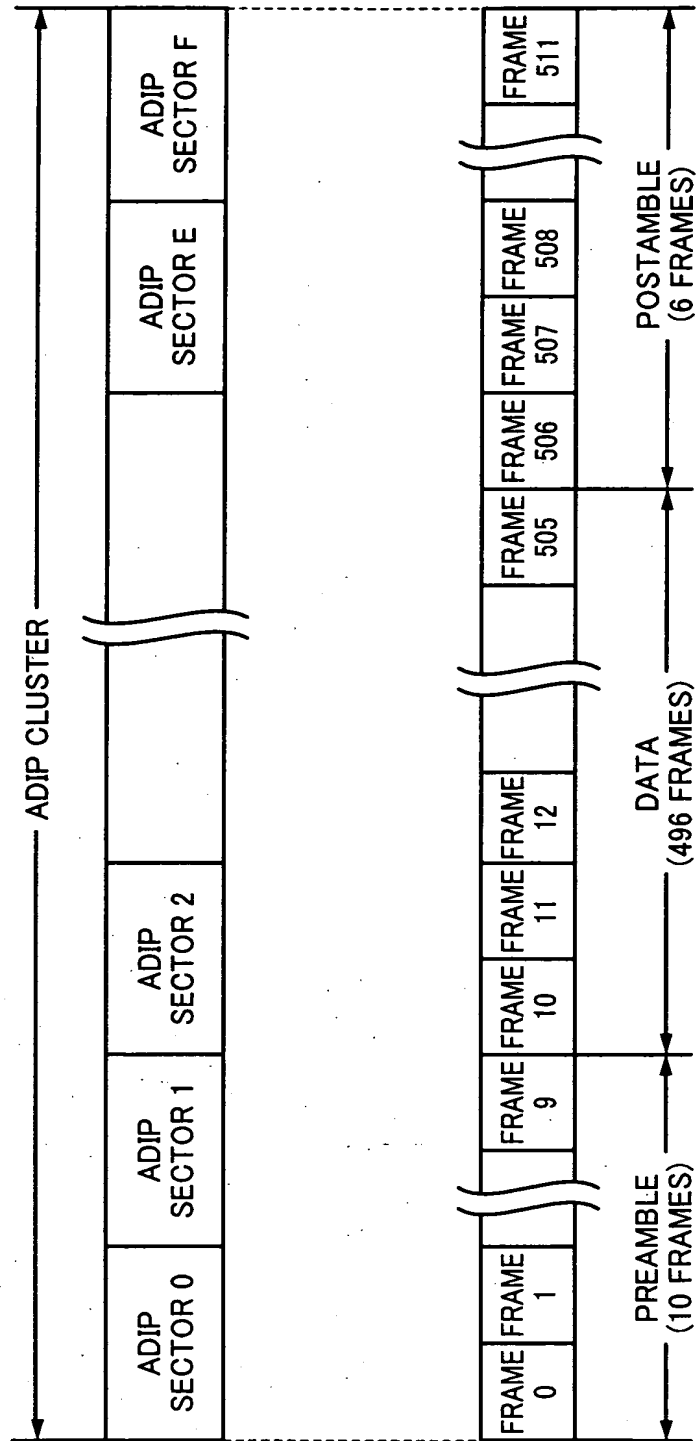
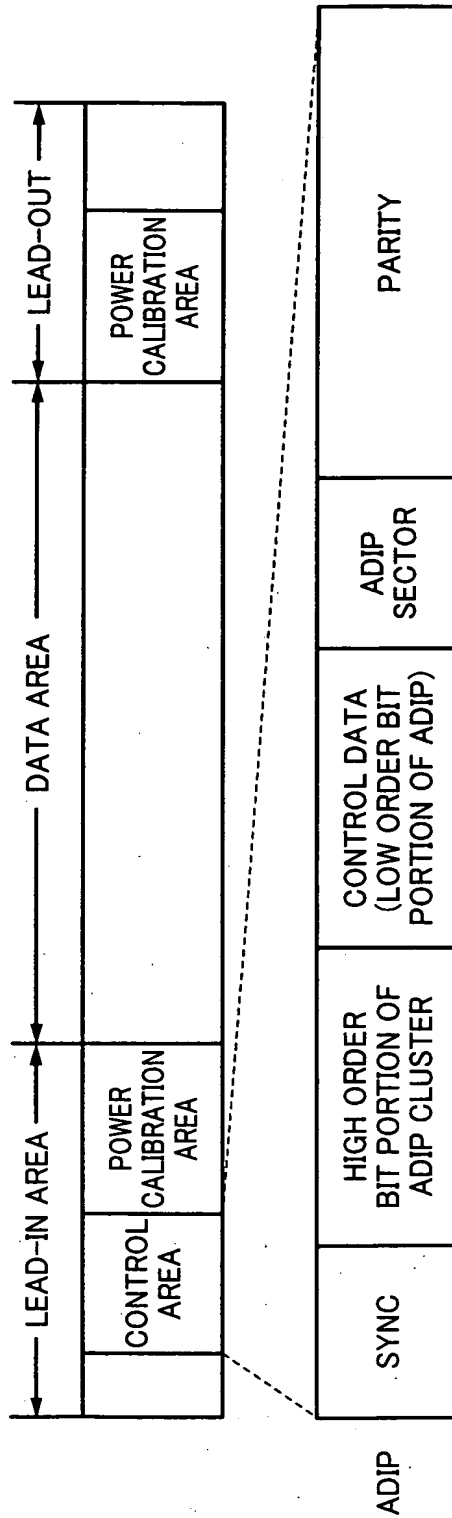


Fig. 18



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Fig. 19



CONTROL DATA

ADIP SECTOR 0	LOW ORDER BIT PORTION OF ADIP CLUSTER
ADIP SECTOR 1	DISC TYPE, PAGE NUMBER
ADIP SECTOR 2	LEAD-OUT CLUSTER NUMBER (H)
ADIP SECTOR 3	LEAD-OUT CLUSTER NUMBER (M)
ADIP SECTOR 4	LEAD-OUT CLUSTER NUMBER (L)
ADIP SECTOR 5	MAGNETIC PHASE, INTENSITY
ADIP SECTOR 6	READ POWER, TEMPERATURE COEFFICIENT
ADIP SECTOR 7	OPTIMUM READ POWER
ADIP SECTOR 8	LOW ORDER BIT PORTION OF ADIP CLUSTER
ADIP SECTOR 9	WRITE POWER, TEMPERATURE COEFFICIENT
ADIP SECTOR 10	OPTIMUM WRITE POWER
ADIP SECTORS 10 TO 15	RESERVED

Fig. 20

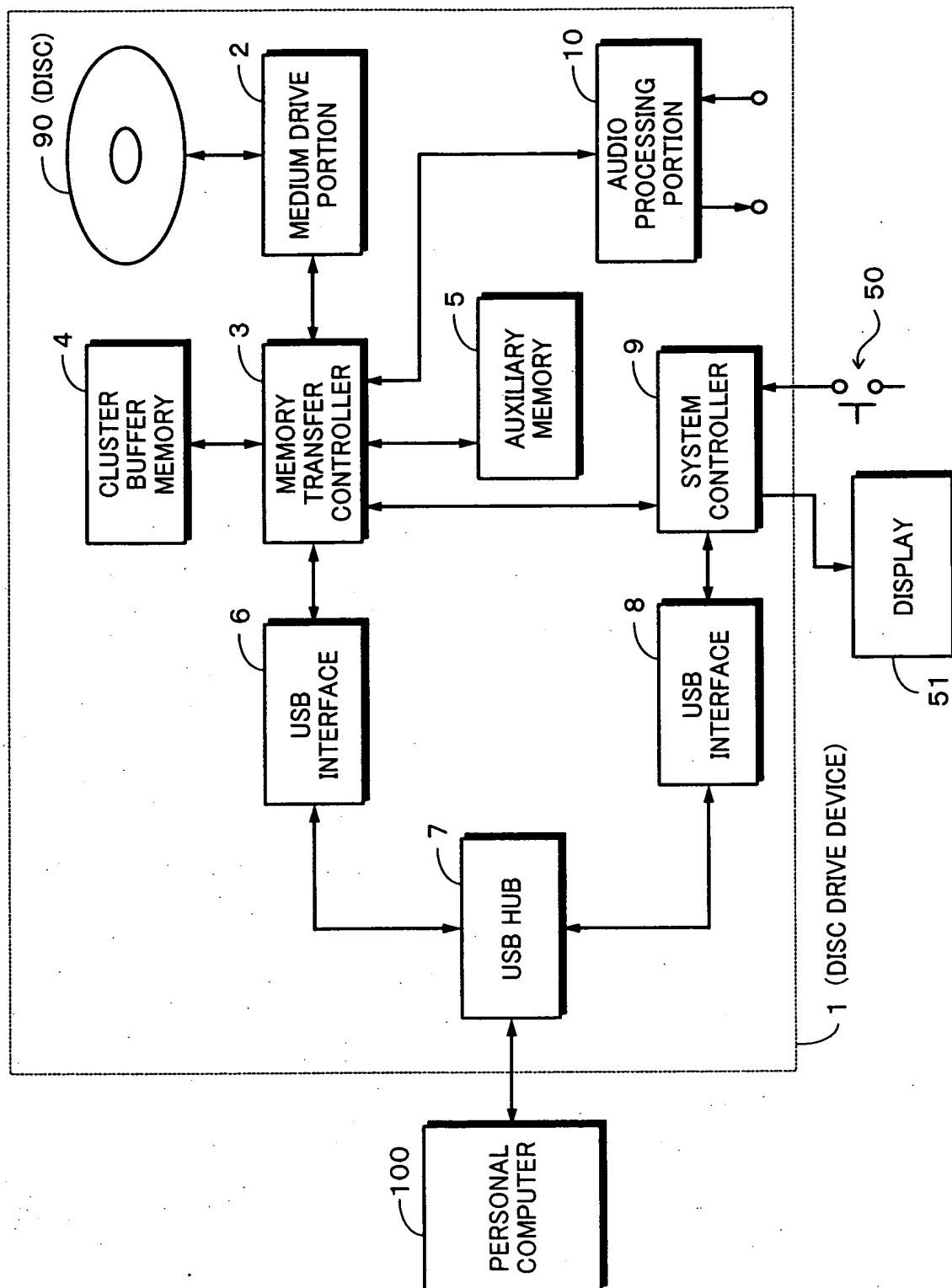


Fig. 21

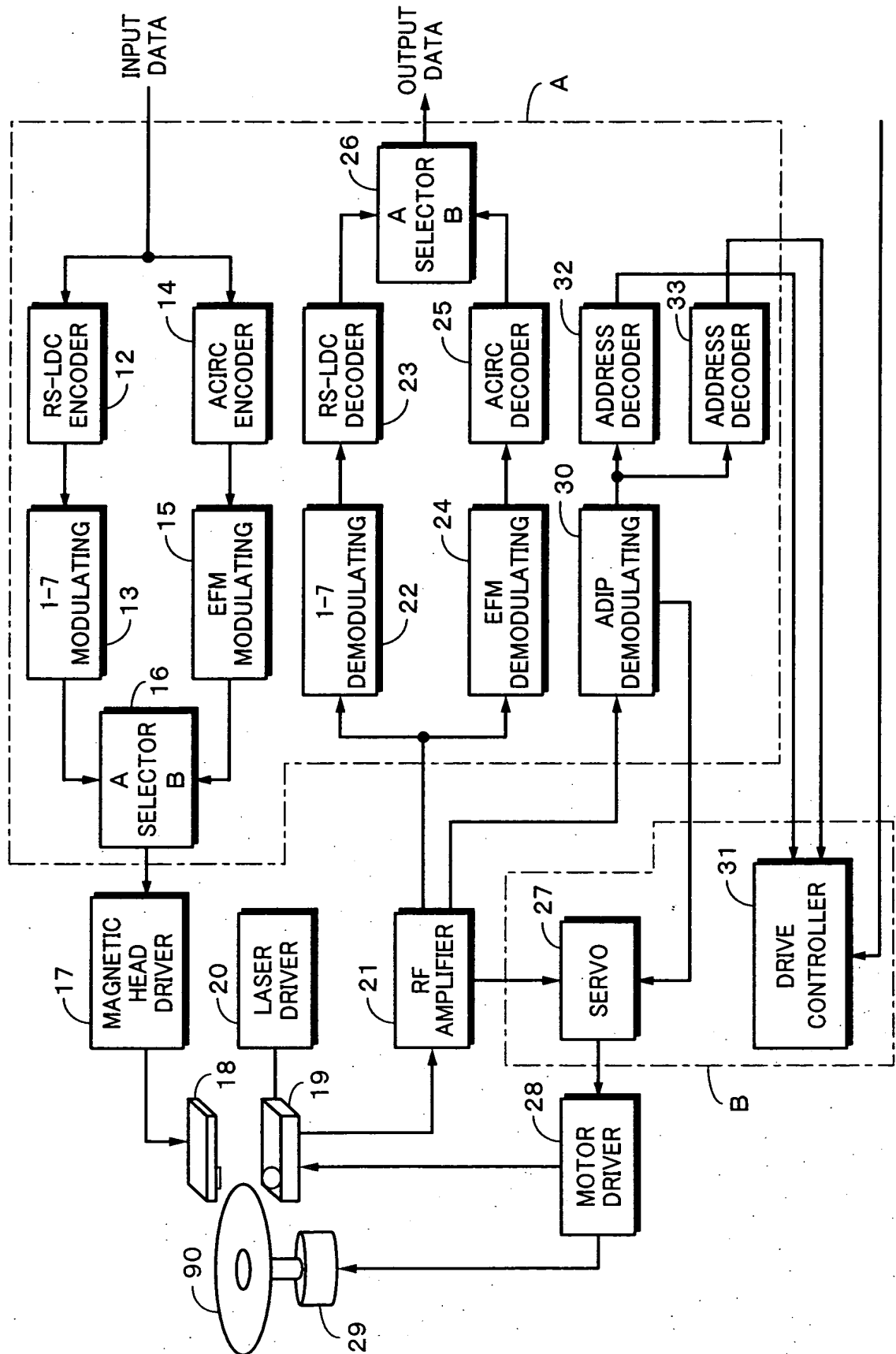


Fig. 22

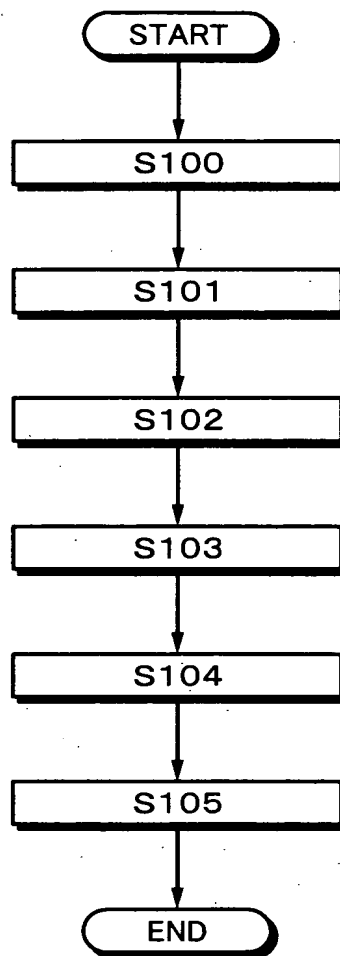


Fig. 23

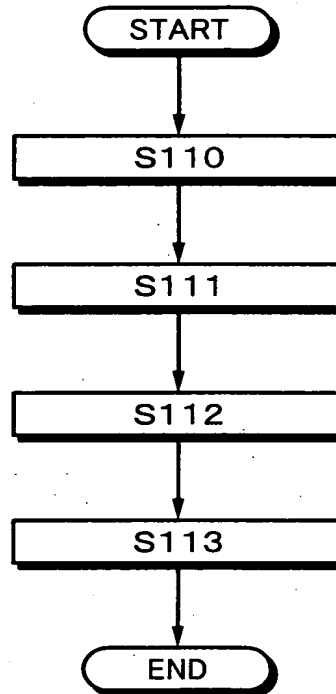


Fig. 24

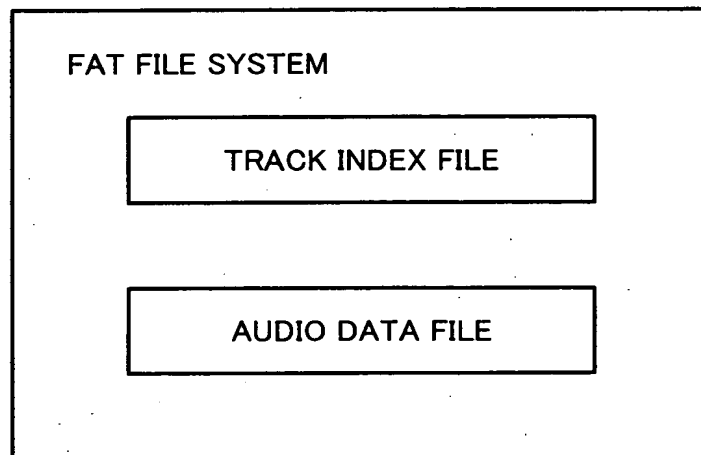


Fig. 25

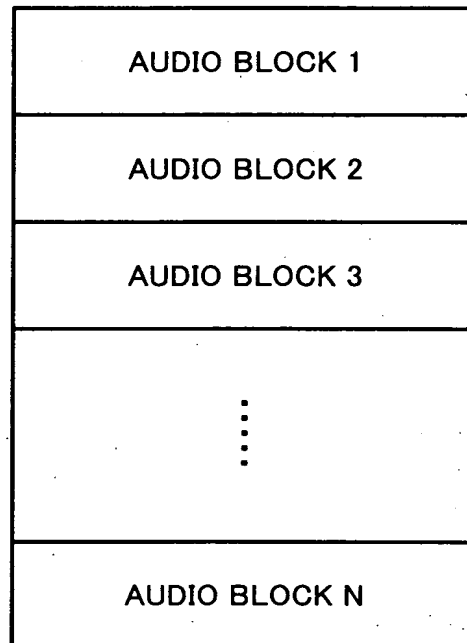


Fig. 26

PLAY ORDER TABLE
PROGRAMMED PLAY ORDER TABLE
GROUP INFORMATION TABLE
TRACK INFORMATION TABLE
PART INFORMATION TABLE
NAME TABLE

Fig. 27

TINF1
TINF2
TINF3
⋮
TINF _n

Fig. 28

PINF1
PINF2
PINF3
⋮
PINF _n

Fig. 29A

GROUP DESCRIPTOR 0
GROUP DESCRIPTOR 1
GROUP DESCRIPTOR 2
⋮
GROUP DESCRIPTOR N

Fig. 29B

START TRACK NUMBER	END TRACK NUMBER	GROUP NAME	FLAG
-----------------------	---------------------	---------------	------

Fig. 30A

TRACK DESCRIPTOR 0
TRACK DESCRIPTOR 1
TRACK DESCRIPTOR 2
⋮
TRACK DESCRIPTOR N

Fig. 30B

ENCODING SYSTEM		
COPYRIGHT MANAGEMENT INFORMATION	KEY INFORMATION	
PART NUMBER	ARTIST NAME	TITLE
ORIGINAL SONG ORDER	RECORD DURATION	

Fig. 31A

PART DESCRIPTOR 0
PART DESCRIPTOR 1
PART DESCRIPTOR 2
⋮
PART DESCRIPTOR N

Fig. 31B

PART START ADDRESS	PART END ADDRESS	LINK
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Fig. 32A

NAME SLOT 0
NAME SLOT 1
NAME SLOT 2
⋮
NAME SLOT N

Fig. 32B

NAME DATA	NAME TYPE	LINK
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Fig. 33

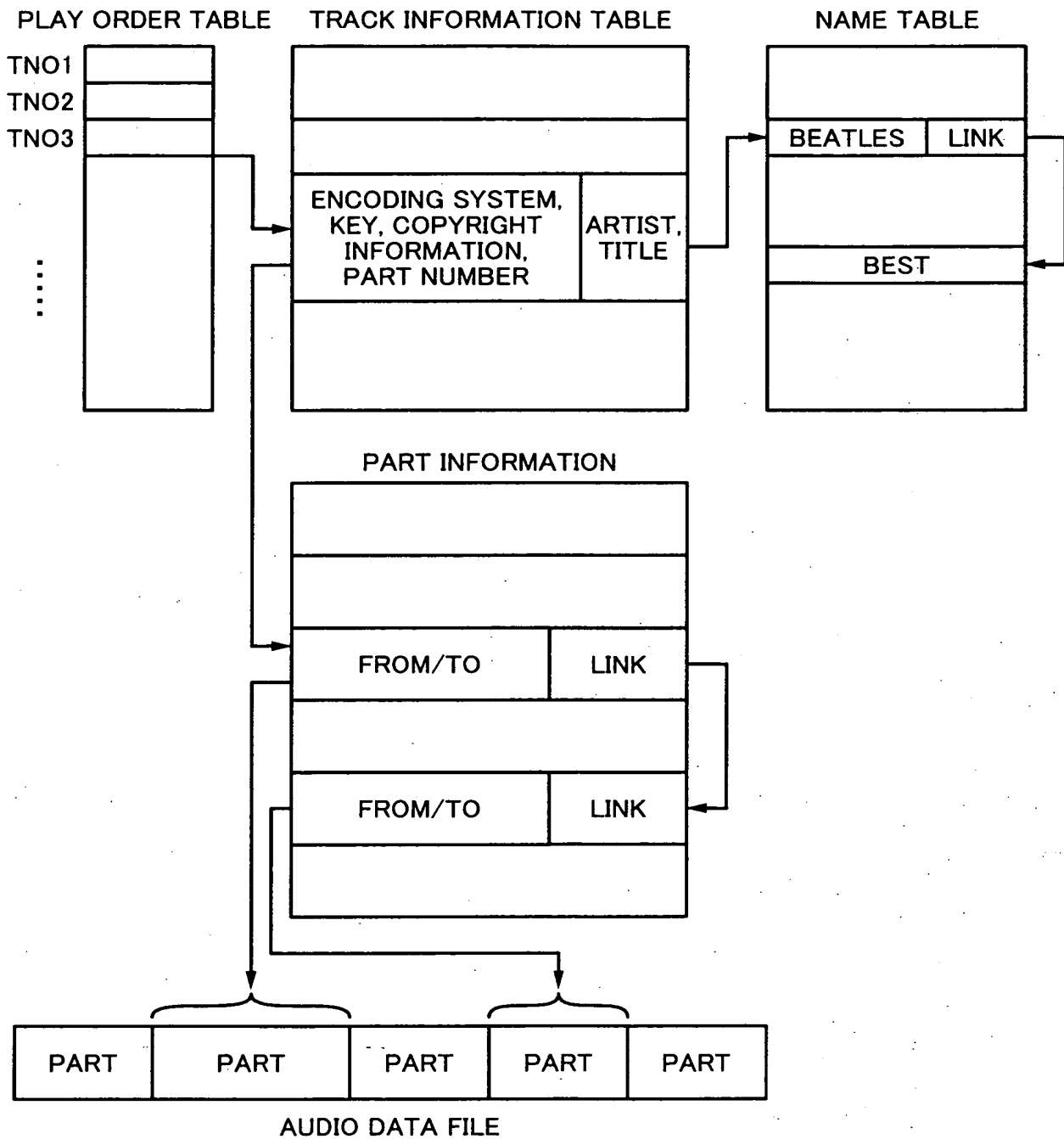
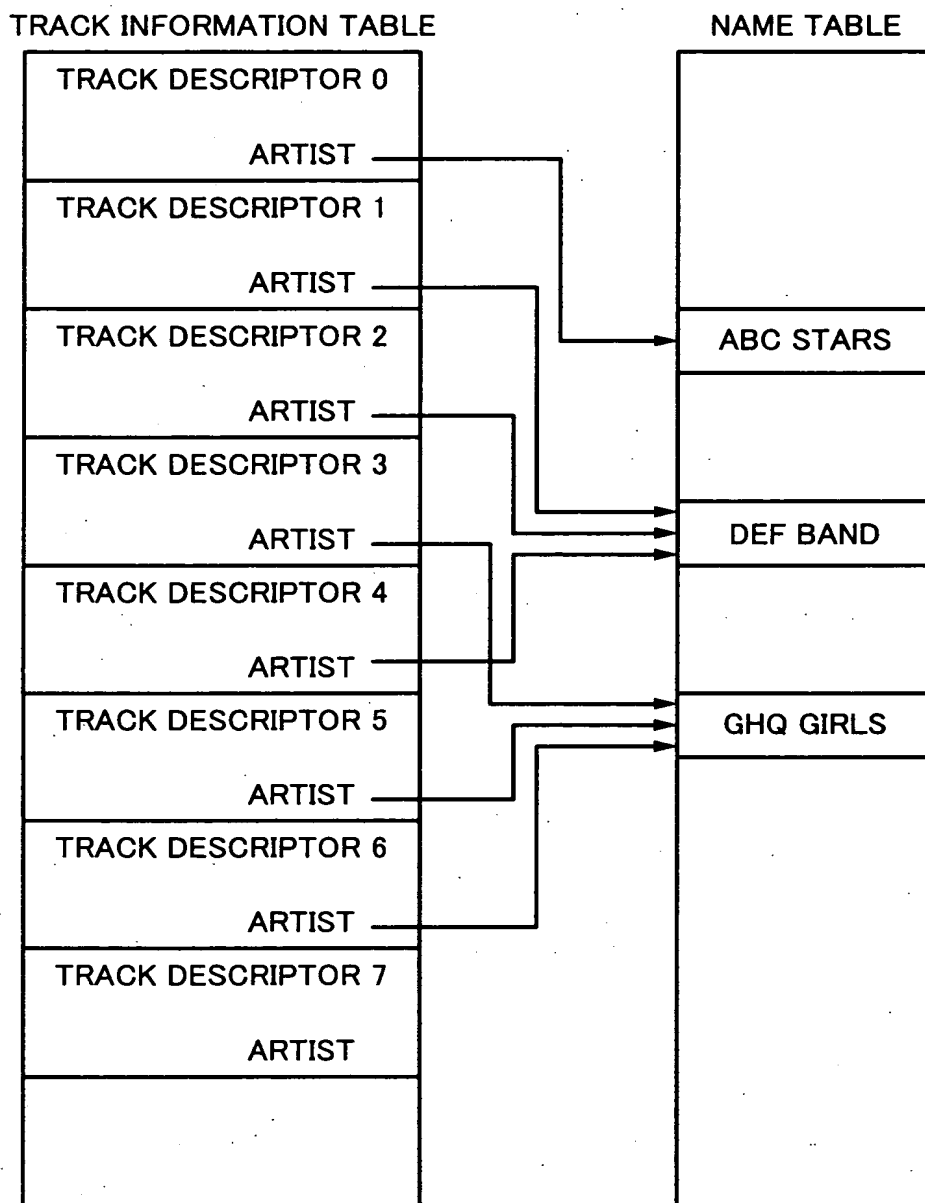


Fig. 34



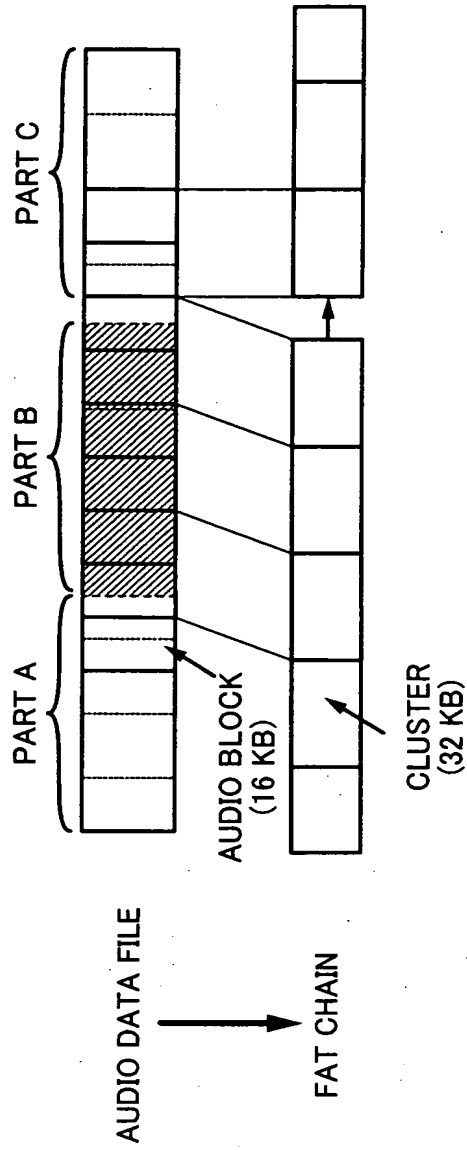


Fig. 35A

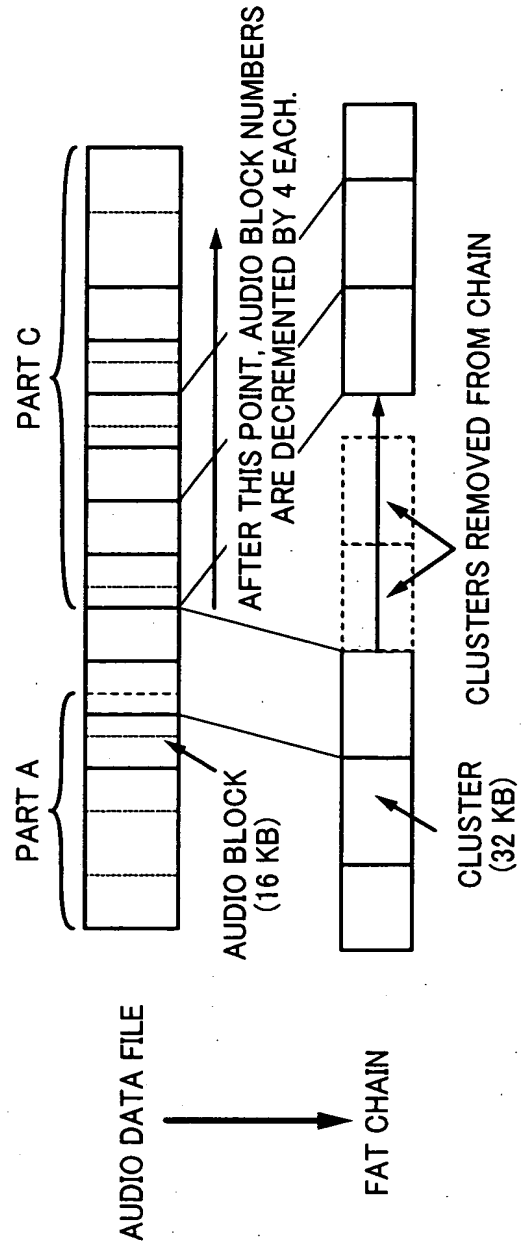


Fig. 35B

Fig. 36

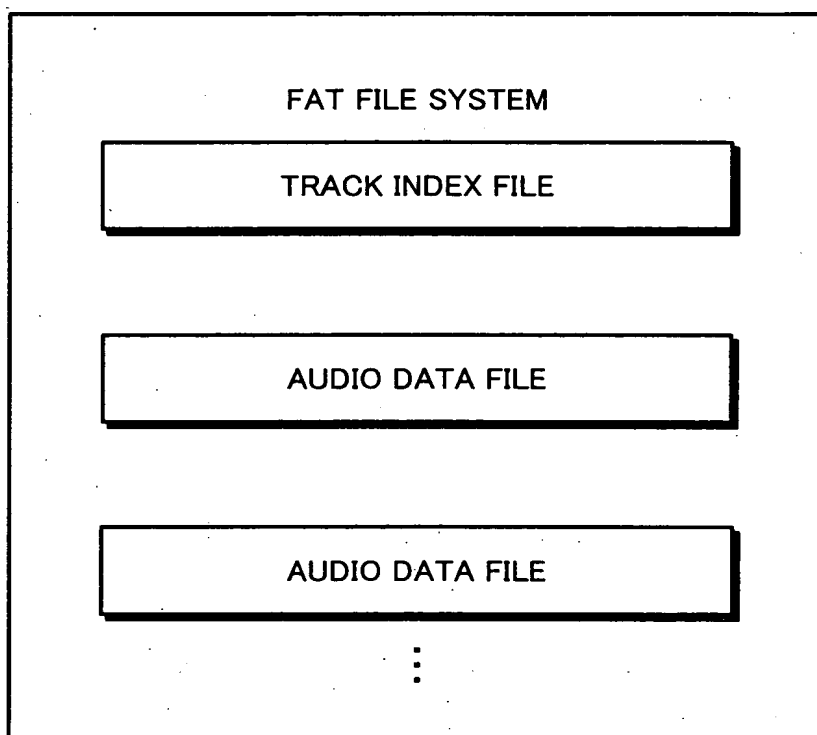


Fig. 37

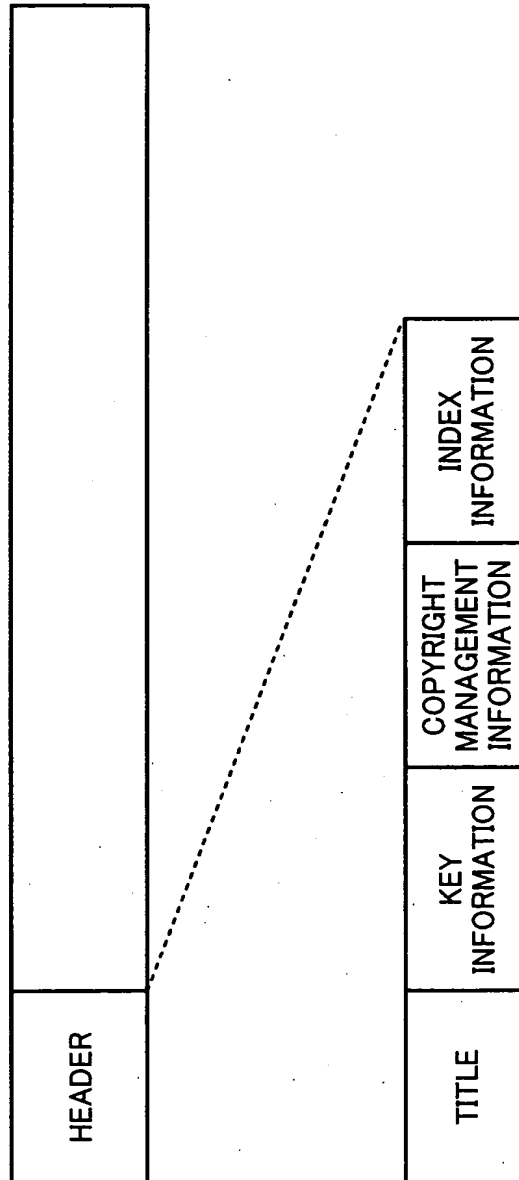


Fig. 38

PLAY ORDER TABLE
PROGRAMMED PLAY ORDER TABLE
GROUP INFORMATION TABLE
TRACK INFORMATION TABLE
NAME TABLE

Fig. 39

TINF0
TINF1
TINF2
⋮
TINF _n

Fig. 40

PINF0
PINF1
PINF2
⋮
PINF _n

Fig. 41A

GROUP DESCRIPTOR 0
GROUP DESCRIPTOR 1
GROUP DESCRIPTOR 2
⋮
GROUP DESCRIPTOR N

Fig. 41B

START TRACK NUMBER	END TRACK NUMBER	NAME POINTER	FLAG
-----------------------	---------------------	-----------------	------

Fig. 42A

TRACK DESCRIPTOR 0
TRACK DESCRIPTOR 1
TRACK DESCRIPTOR 2
TRACK DESCRIPTOR N

Fig. 42B

ENCODING SYSTEM			
AUDIO FILE	INDEX	ARTIST NAME	TITLE
ORIGINAL SONG ORDER		RECORD DURATION	

Fig. 43A

NAME SLOT 0
NAME SLOT 1
NAME SLOT 2
⋮
NAME SLOT N

Fig. 43B

NAME DATA	NAME TYPE	LINK
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Fig. 44

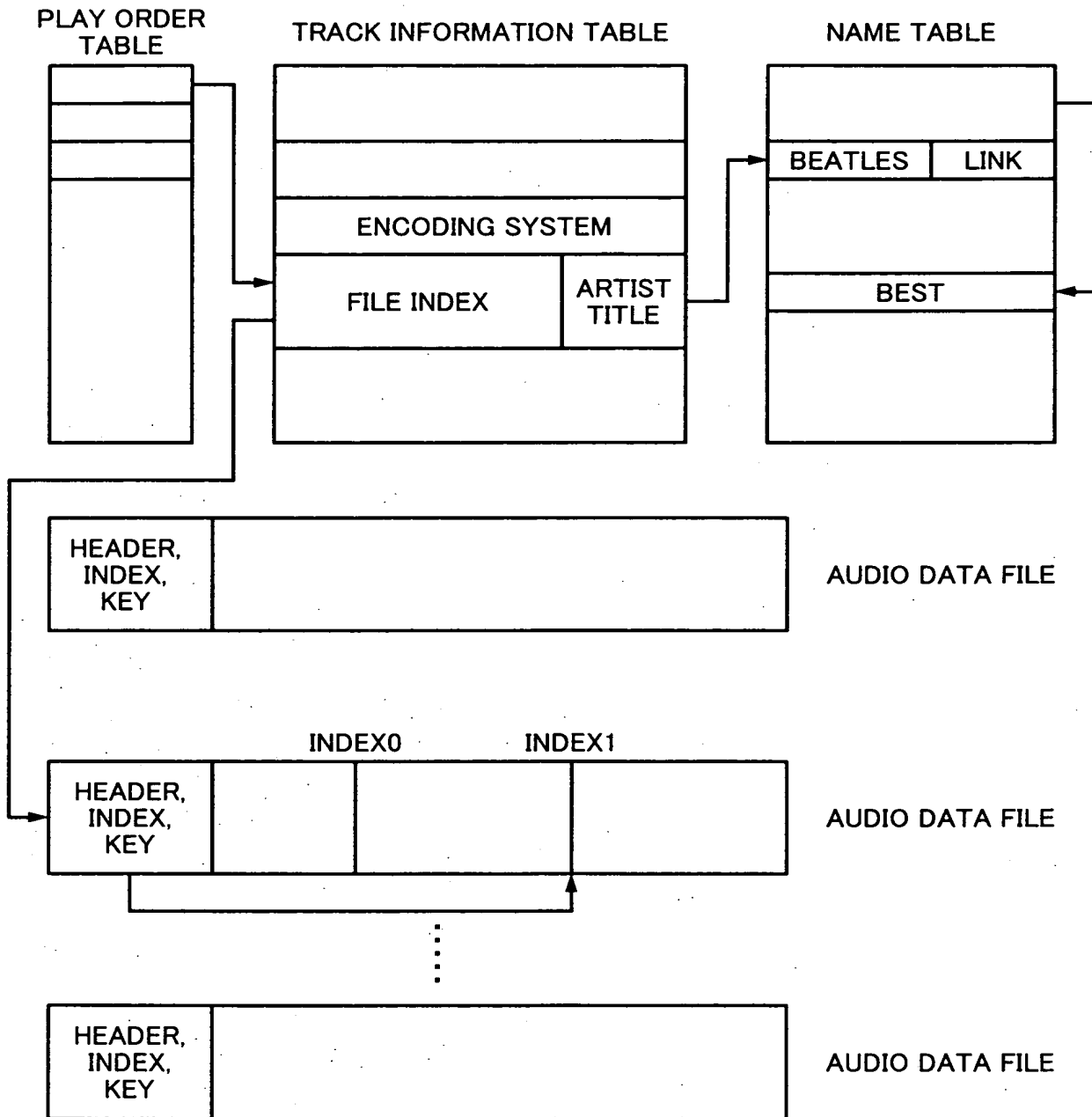


Fig. 45

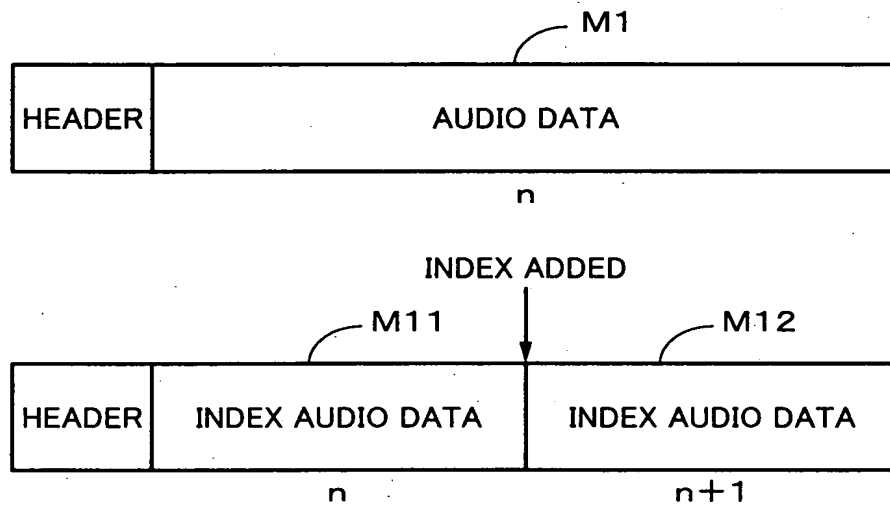


Fig. 46

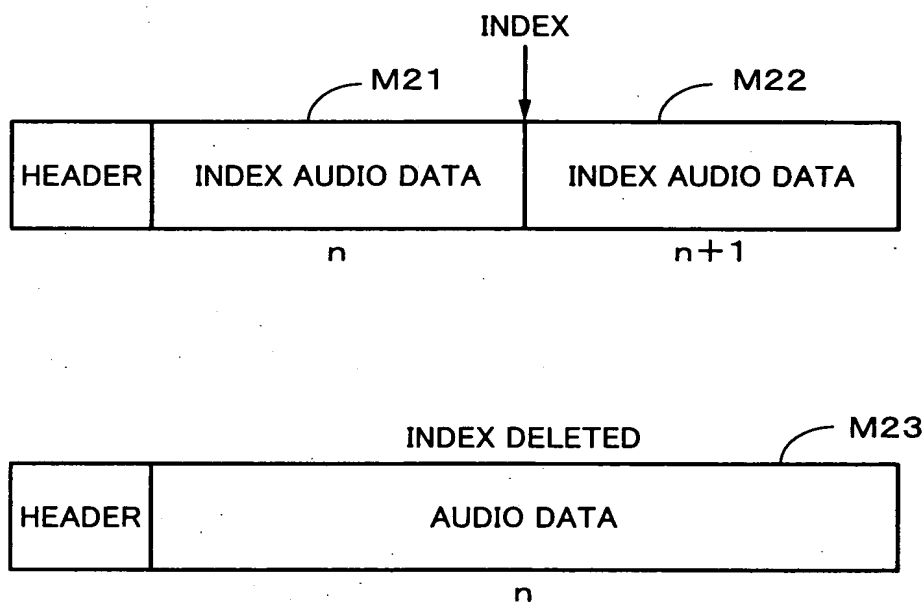


Fig. 47

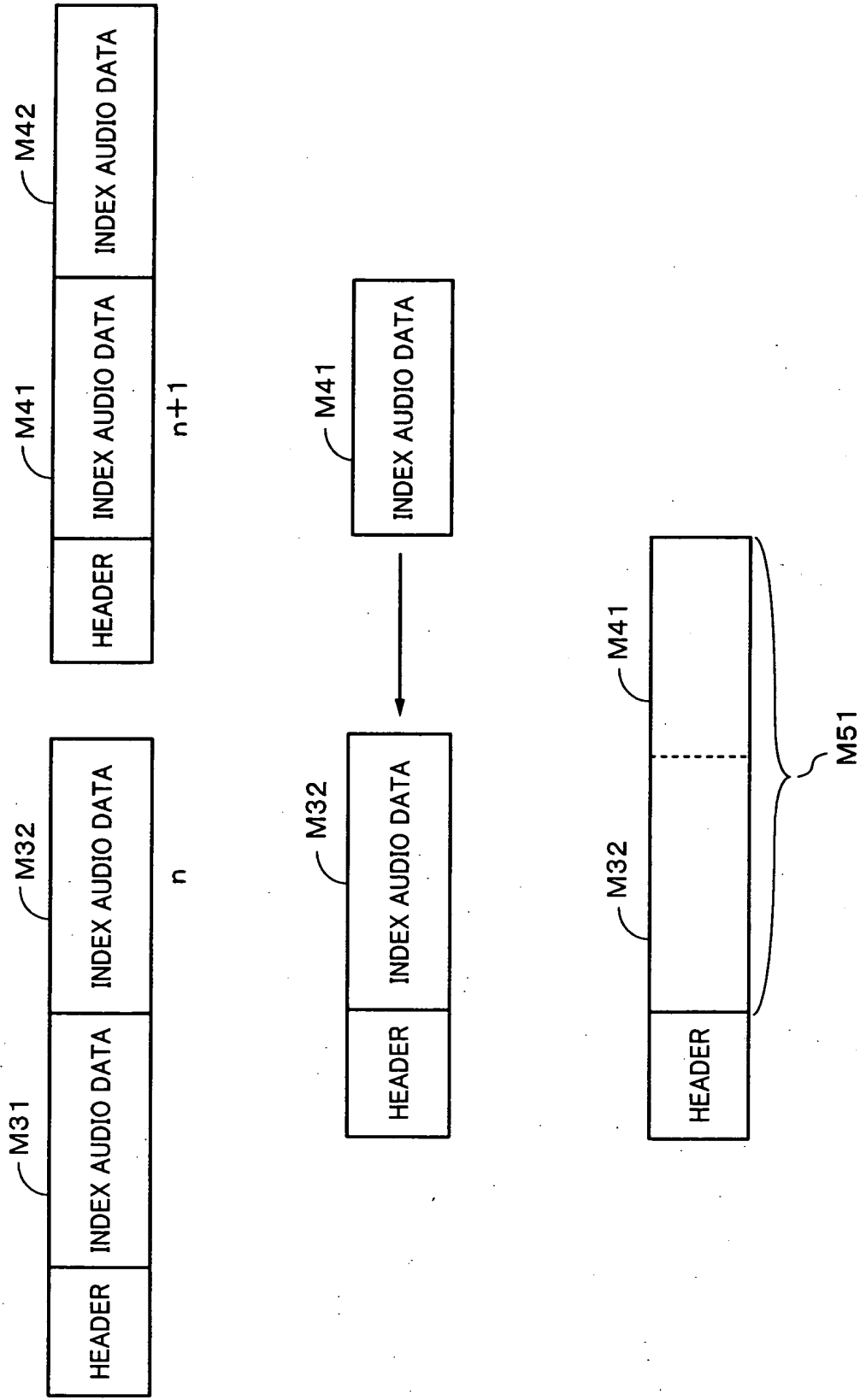


Fig. 48A

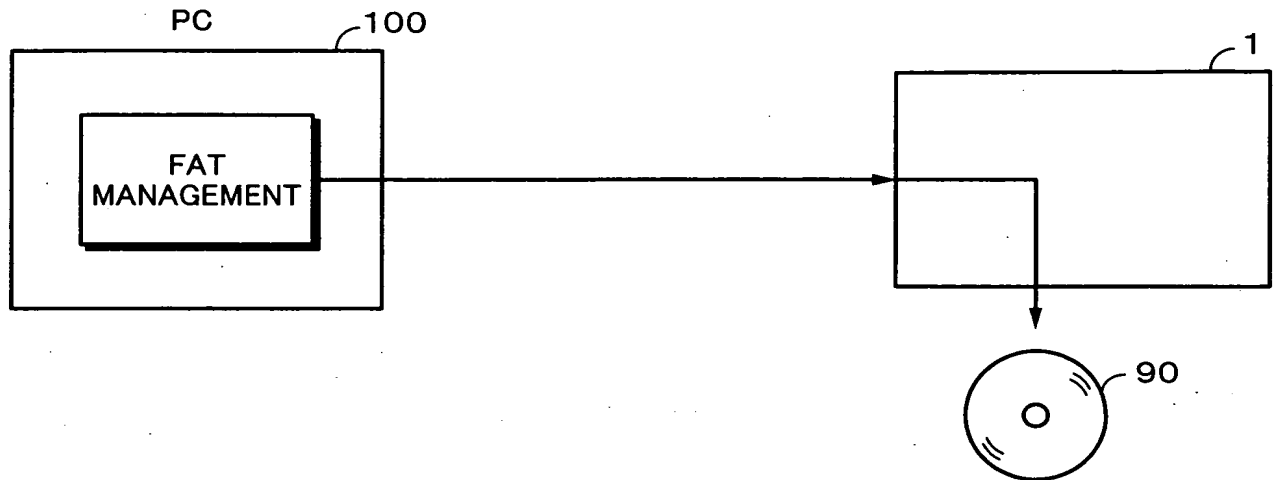


Fig. 48B

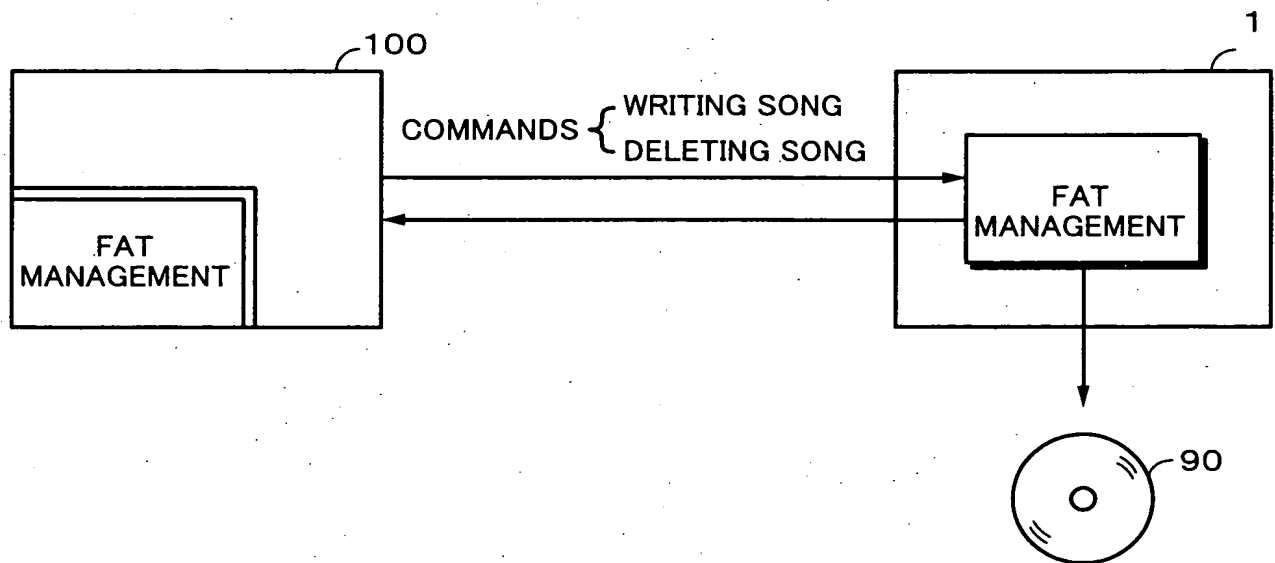


Fig. 49

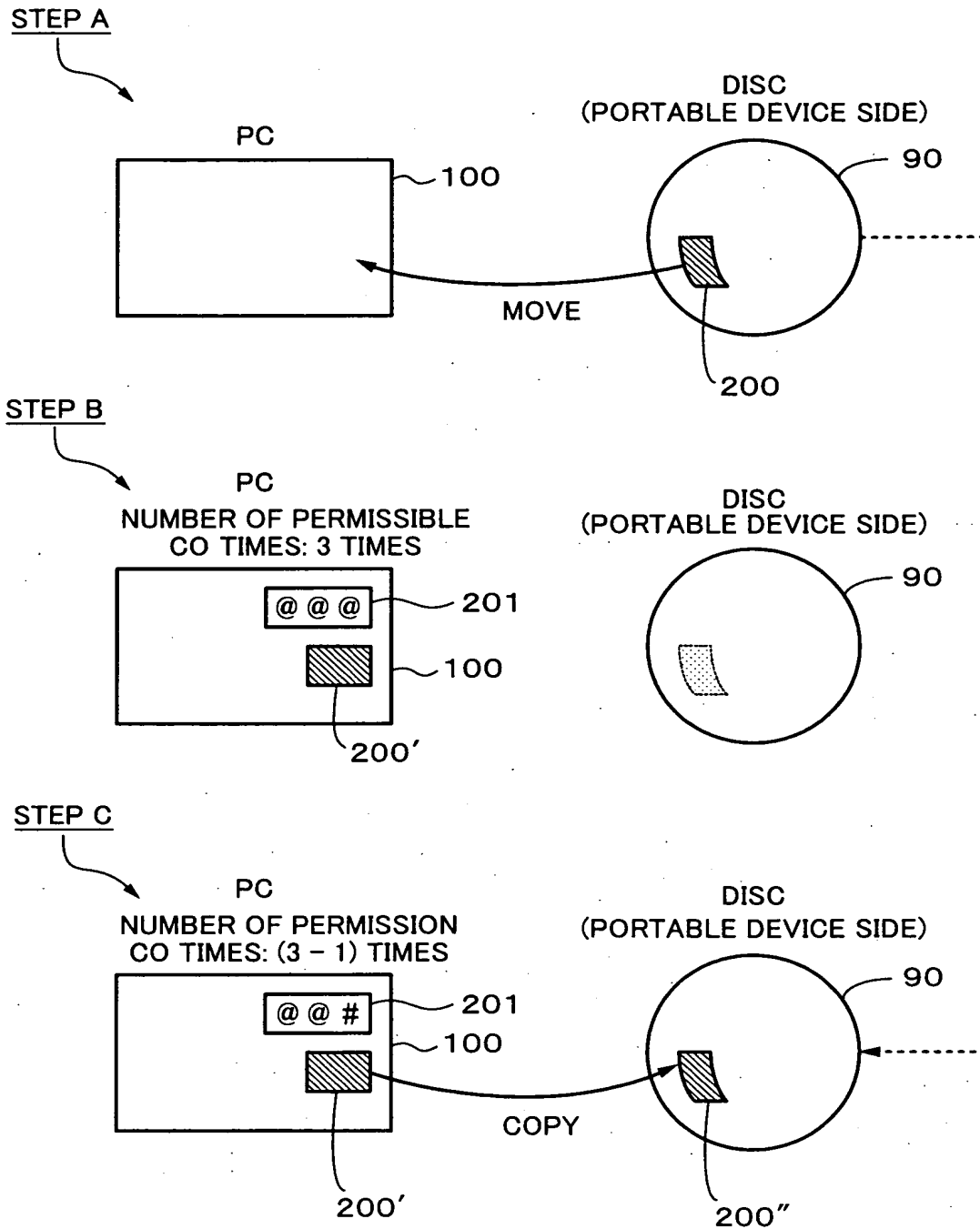


Fig. 50

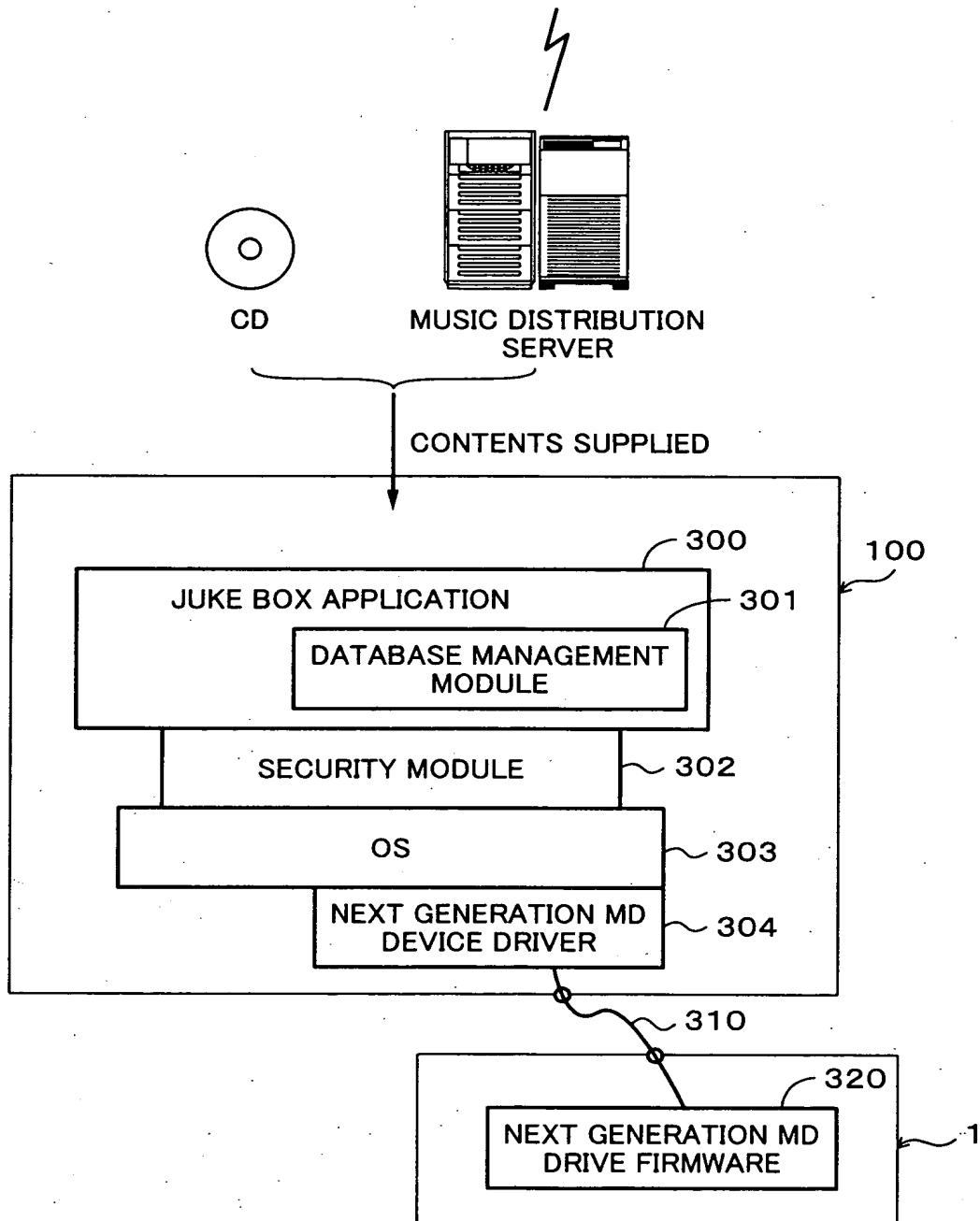


Fig. 51A

DISC ID	GROUP NAME	
AAAAA	EEEE	
BBBBB	FFFF	
CCCCC	GGGGG	
DDDDD	HHHHH	

Fig. 51B

CONTENT ID	DISC ID	NUMBER OF PERMISSIBLE CO TIMES	
IIIII	AAAAA	2	
JJJJJ	AAAAA	2	
KKKKK	AAAAA	2	
LLLLL	BBBBB	1	
NNNNN	BBBBB	1	
OOOOO	CCCCC	3	
PPPPP	CCCCC	3	
QQQQQ	CCCCC	3	

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Fig. 52

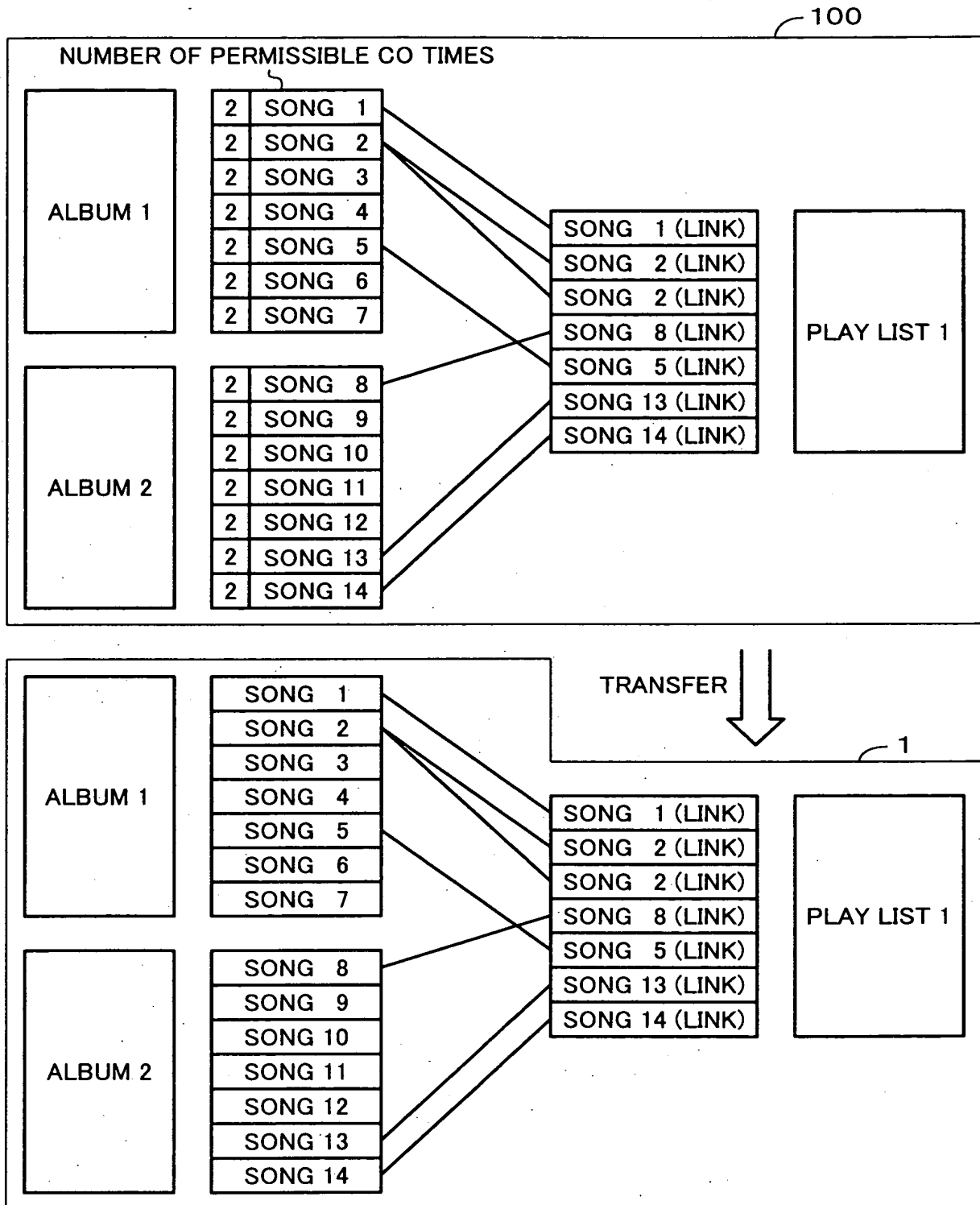
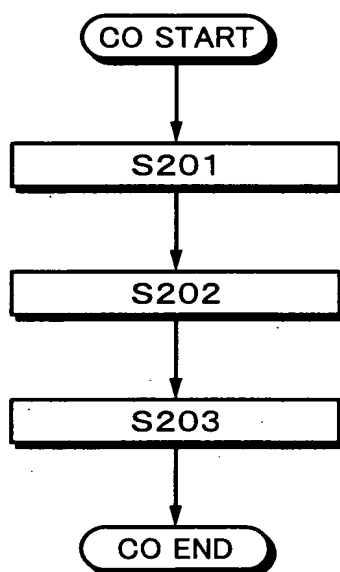


Fig. 53



DESCRIPTION OF REFERENCE NUMERALS

1	DISC DRIVE DEVICE
2	MEDIUM DRIVE PORTION
3	MEMORY TRANSFER CONTROLLER
4	CLUSTER BUFFER MEMORY
5	AUXILIARY MEMORY
6, 8	USB INTERFACE
7	USB HUB
10	AUDIO PROCESSING PORTION
12	RS-LDC ENCODER
13	1-7 pp MODULATING PORTION
14	ACIRC ENCODER
15	EFM MODULATING PORTION
16	SELECTOR
17	MAGNETIC HEAD DRIVER
18	MAGNETIC HEAD
19	OPTICAL HEAD
22	1-7 DEMODULATING PORTION
23	RS-LDC DECODER
24	EFM DEMODULATING PORTION
25	ACIRC DECODER
26	SELECTOR
30	ADIP DEMODULATING PORTION
32, 33	ADDRESS DECODER
50	SWITCH

90 DISC

100 PERSONAL COMPUTER

300 JUKE BOX APPLICATION

301 DATABASE MANAGEMENT MODULE

302 SECURITY MODULE

S100 CHECK UID.

S101 RECORD UTOC.

S102 RECORD ALERT TRACK.

S103 RECORD DDT.

S104 RECORD UNIQUE ID.

S105 RECORD FAT AND SO FORTH.

S110 CHECK UID.

S111 RECORD DDT.

S112 UNIQUE ID

S113 RECORD FAT AND SO FORTH.

S201 SEARCH ALBUMS THAT CONTAINS SONGS DESCRIBED IN PLAY LIST FOR
CHECK-OUT.

S202 CHECK OUT ALL SONGS CONTAINED IN SEARCHED ALBUMS.

S203 TRANSFER PLAY LIST.